



# THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.

Founded in 1931

MARCH 2020  
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## WHAT IS ARRL'S FIELD DAY?

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

The March meeting will highlight the "Get on the Air" (GOTA) initiative with a presentation by one of our local clubs that focuses on its efforts to do that very thing – get on the air. Specifically, the presentation will cover ARRL's annual June Field Day. And as you may know, the Rochester DX Association (RDXA), with six #1 wins in its class, has been noteworthy in that event.

Vic Gauvin, K1PY, one of the long-time coordinators and Field Day flag waver for the RDXA, will join us to describe the extent of the RDXA Field Day.

The perennial question "What is Field Day?" will start it off. Vic will also outline the progression of the RDXA Field Day and how the club has evolved by learning from its various locations, antenna installations, and the stations they've been able to put on the field.

To get an idea of what it takes to "get on the air" at RDXA's Field Day, this presentation will outline the various aspects of planning it out, as well as illustrate how, and why, they've enjoyed doing it for many years.

Licensed in 1959 in N.H., hence the K1, FD is what most captured Vic's interest. Early Field Days were with smaller groups, going to fire towers, or to White Mountain lakesides or mountain tops. He is a charter member of the Southport Island Field Day Marching & Chowder Society in Boothbay Harbor, Maine. As co-founder of the Nashua (N.H) Area Radio Club, he saw the club ultimately evolve to a top FD finisher. After moving to Rochester in 1984, RDXA's Field Day captured his interest.

Please join us on Wednesday, March 4th, 2020, 7:00PM at the Boy Scouts Headquarters at 2320 Brighton Henrietta Town-line Road, Rochester, New York 14623.

The Elmer's Corner starts at 6:15PM ahead of the General Meeting.



Right to Left: Vic K1PY, grandson Liam, and stepfather Byron at RDXA's 2019 GOTA station



K2JD

N2EH

W2EOC

# BOARDZ BUZZ

TIM BROWN, WB2PAY

This is my third term on the RARA Board. I continue to be impressed at the drive and commitment of all the board members. A tremendous amount of work goes on behind the scenes to produce a meeting, public service events, training sessions, the Hamfest or a social get together. The board is the inner core of the club, but the success of the club lies in its members who help develop our programs.

As Education Coordinator, I receive inquiries on a variety of Amateur Radio topics: Antennas, Rigs, Digital Modes, Rules and Regulations, Repeaters, Grounding, License Classes, Programming Radios, Reverse Beacon Network, CAT, Logging Software, Learning CW, are just a few of the questions that have been posed to me. To answer questions or to locate a Ham who can address a concern, I not only tap RARA members but also members from other area clubs.

I am amazed at the talent that abounds in the Rochester area ham community. And how willing Hams are to help fellow Hams.

I view RARA as the mother ship of our ham community with numerous clubs addressing many of the special areas of Amateur Radio.

One specialty area that I have become involved in is the joint effort between RARA and the Xerox club to teach Morse Code and get Hams on the air using CW. This group was spearheaded by Forest Shick, WA2MZG and Bob Karz, K2OID. Harry William, KF2TV stepped up to coordinate group meetings and is Net Control for the Tuesday evening 9pm CW net on 50.250mhz.

My proficiency in copying CW is due to my 4 years in the ARMY as a Morse Intercept Operator. (If I told you who we were monitoring, I would have to \_ \_ \_ \_ you!) After you copy CW for 8 hours a day, it becomes a language to you. I want to pass my love of code to my fellow Hams.

I host a group of 5 Hams twice a month at my home in Ogden. There is a group on the East side of the county hosted by Bill Hopkins, AA2YV and Peter Fournia, WA2SXY.

If you want learn Morse Code and get on the air with CW, contact one of the Elmers mentioned.

I encourage all RARA members to enjoy the many facets of Amateur Radio.

Share your time and talents. Volunteer to help on a Public Service event, an Academy or an Elmer session.

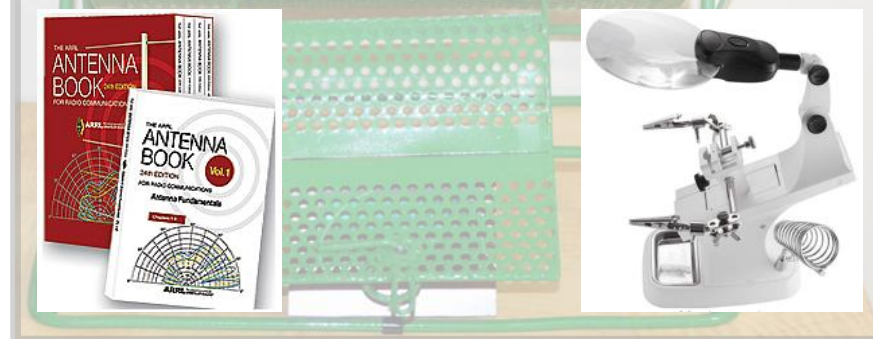
Don't be just a member, be a participant.

You will find it very satisfying.

## MARCH RAFFLE PRIZES

- ARRL Antenna Book Box Set
  - Mosley ANT-DIV-80
  - Helping Hand
- NanoVNA

**Coming in April**



## CALENDAR OF EVENTS

**WEDNESDAY MARCH 4, 2020** - RARA General Meeting  
7:00 PM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

**THURSDAY MARCH 5, 2020** - RARA Board of Directors Meeting  
6:30 PM at Novaworks, 333 Metro Park, F-500

**SATURDAY JUNE 6, 2020 RARA HAMFEST 2020**

**SATURDAY JULY 11, 2020 RARA PICNIC 2020**



## EDUCATION

TIM BROWN, WB2PAY, EDUCATION COORDINATOR

### RARA ACADEMY WORKSHOPS

#### March 14th - FLDIGI- Digital software

Learn how FLDIGI decodes digital modes and how it is used with NBEMS (Narrow Band Emergency Messaging System) to pass traffic on the HF and VHF bands.

[http://www.w1hkj.com/files/fldigi/fldigi-4.1.09\\_setup.exe](http://www.w1hkj.com/files/fldigi/fldigi-4.1.09_setup.exe)

Location: Fairport Library Community Room, 11:30am-2pm

Located in: **Fairport Village Landing**

**Address:** 1 Fairport Village Landing, Fairport, NY 14450

- Presenter will be Paul Conaway, KD2DO

#### April 11th - DSTAR, DMR & FUSION MODES

Learn the basics of these modes.

Location: Henrietta Library Community Room, 10:30am-2pm

**Address:** 625 Calkins Rd, Rochester, NY 14623

-Presenters will be Mike Moore, KC2NM, Steve Verzulli, KA1CNF and Rich Hoffarth, K2AXP

#### May 9th - PARKS ON THE AIR - LOCATION TBD GET ON THE AIR

Portable Radios and antennas - everyone can get on the air.

-Presenter will be Karl Heinz Kremer, K5KHK

Latest Academy information is available at [https://www.rochesterham.org/rara\\_academy.htm](https://www.rochesterham.org/rara_academy.htm)

## RARA LICENSE COURSES

### 2020 Winter/Spring License Classes

**TECHNICIAN CLASS** commenced on Tuesday February 11, 2020 with 8 students. RARA's ham community is growing.

### THE ELMERS CORNER

**Dave Timmons, W2DST**, will host the **March 4th session from 6:15 to 6:45pm prior to the regular meeting.**

Dave will help you program your radio with CHIRP. Bring your radio and your programming cable if you have one.

Take advantage of RARA sponsored training, education and operating opportunities.

### Silent Key

**Richard R. Wells  
W2RW**

February 5, 2020



# PUBLIC SERVICE REPORT

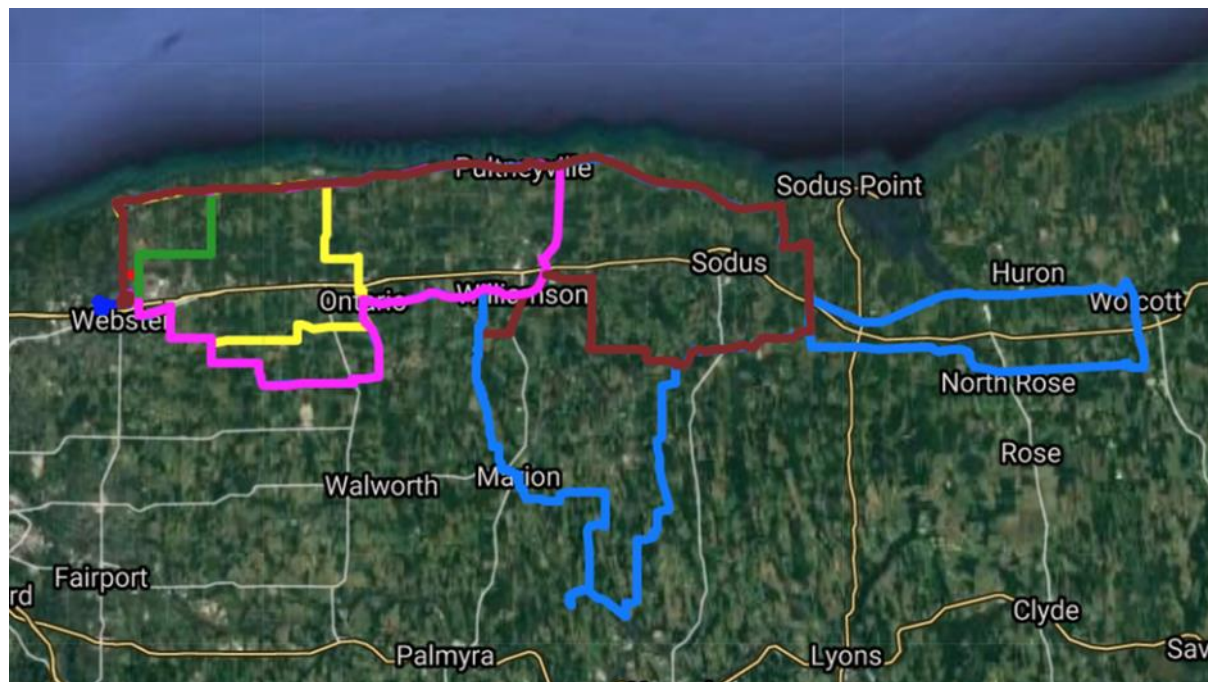
MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

Please take a minute to visit our Public Service webpage and sign up for a few of the great events coming in 2020. Feel free to bring along a friend or spouse even if they are not a HAM. This is also a great opportunity for new HAMS to sharpen your radio skills. All you need is a mobile and/or portable VHF and/or UHF radio and a desire to get out of the shack and really do something worthwhile to help yourself and others.

Planning for our first Public Service Project is well underway. Our first event is Tour de Cure and that will be held June 13, 2020 again at the Xerox Campus in Webster. The Tour de Cure Fundraiser Kick Off will be held Tuesday, February 25th from 5:30-8:00 p.m. at the Holiday Inn Downtown, 70 State Street, Rochester. A change is being made to the 100 Mile ride this year to address a safety concern. In prior years, the 100 mile ride has traversed the bridge at the south end of Sodus Bay in both directions, then gone through Chimney Bluffs State Park to a rest stop located there. This year, the Chimney Bluffs segment has been removed and the ride will proceed to the Village of Wolcott where the rest stop will be located at the Wolcott Fire Hall then return South of Route 104. The justification for this change was due to the narrowing of the bridge lanes caused by ride traffic moving in both directions on that bridge. An overview of the 2020 route is shown below.

Please mark your calendars for our upcoming RARA Public Service Events

Tour de Cure	Xerox Campus Webster	Saturday	June 13, 2020
Bike MS: ROC the	Genesee Valley Park -	Saturday	Sept. 12, 2020
Fairport Lift Bridge Regatta	Erie Canal – Fairport, NY	Saturday	Sept. 19, 2020
Pumpkin Patrol	Overpasses of the New York State Thruway	Friday & Saturday	Oct. 30-31, 2020
Holiday Science & Technology Days	Rochester Museum & Science Center	Monday - Wednesday	Dec. 28-30, 2020



For up to date information about all of our Public Service events take a look at our RARA website [https://www.rochesterham.org/public\\_service](https://www.rochesterham.org/public_service).

# CAN YOU HEAR ME NOW?

FOREST SHICK, WA2MZG

In January my wife and I traveled to Georgia to visit my brother and his wife. Uneventful – no one sick on the plane – his 3 medium size dogs welcomed us right away. Each taking a turn sitting on my lap whenever I sat down to watch TV – no ham radio in his house.

We did a lot of enjoying each other's company and eating good food. Let's not talk about the weather – one morning it was 19. In Georgia!! I think it was 6 in Rochester that morning.

We took a road trip to visit his favorite wood working store, Rockler. I'm not into wood working but there was a lot of interesting tools and various hardware that may be useful when assembling a station.

One item caught my attention, a wireless speaker kit, \$30. Sure, you can buy a wireless speaker at almost any store but this one required that you build a housing for it – from wood of course. The sample looked very cool. Are there any wood work enthusiasts out there?



The kit consists of two, 2" diameter modules.



One is the speaker with a 3.7V, 500mAh battery and charging circuit attached. The other is the electronics: charging connector, volume control, status LED, Bluetooth radio, etc. It comes with a USB cable for charging the battery but no charging adapter.



I would have to make a case with the appropriate size holes. The modules are press fit. No additional hardware.

The other side of the story is needing a Bluetooth source.

My daughter had previously given me a little white module, Aluratek Universal Bluetooth Audio Transmitter. The module came with a USB charging cable but

no charging adapter. It is a good thing I save all those old cell phone charging adapters!



So, here is the deal. I thought, wouldn't it be cool to sit in the living room and listen for activity while my KX3 scans 6 meters in the shack. (OK – here is another project – have my antenna turn 30 degrees every 10 minutes while scanning 6M).

Pairing the 2 devices was relatively easy. I had the modules working in 2 minutes following the directions supplied by the manufacturers. Plug the white module into the headphone jack on the KX3 and I was in business. Don't forget to charge both devices before you get started.

Having 2 round modules dangling from red and black wires was not going to be acceptable in the living room. Although my wife is very understanding in these matters.

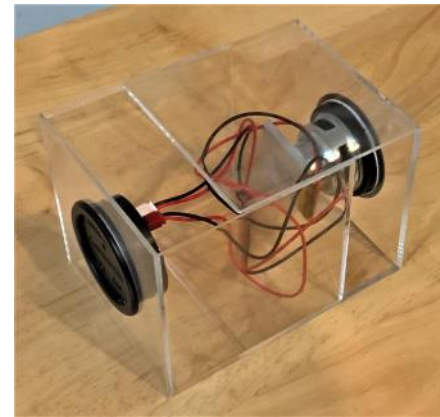
Now I had to find a cube with 6 solid sides. That should be easy. Not so much!

I went to a hobby store and they had nice rectangular boxes with decorative fronts or sides but not a wooden cube. A clerk suggested a photo cube. It was just the right size, 3.75" on a side. The instructions suggest 3.25" x 3.25" x 2.375" inside dimensions. The photo cube would have to work.

Next step was cutting the 1.875" diameter hole. I had a 1.75" hole saw. That would get me close. Then roll sand paper into a cylinder and slowly sand the inside diameter to size. Constantly checking how the modules fit. Since they are press fit, the hole must be "just right".



In the end, the holes were the correct diameter and the modules snapped in.

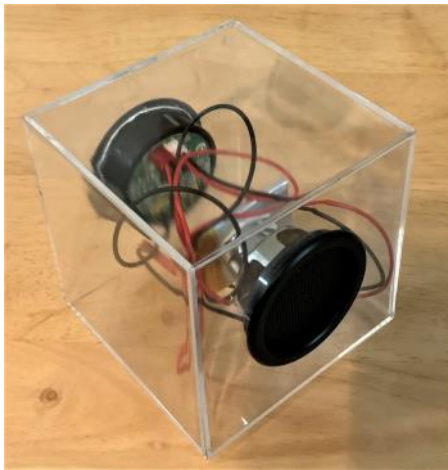


One final construction problem. The photo cubes depend on a heavy paper insert to maintain their shape and provide the friction to hold the 2 halves together. That paper insert would ruin the beauty of this project.

The short term solution is simply sliding the two halves together and hope for the best.

Add 4 rubber feet so it doesn't slide off the table when the charging cable is connected.





Finally, find a reversible method to hold the cube together but be able to open the cube if repair or modification is necessary.

Now to test it out. Turn on the KX3, turn on the 2 devices and pair them. Tune in a SSB station. The audio was, well, not bad for a plastic box. And really good for a simple project.

Now move the cube to the living room.

And the first real problem!

With the cube on the table next to my chair, the signal was intermittent at best.

The transmitter specifies 33 feet max range. My chair is 31ft and the table is 33 ft from the KX3. The signal becomes intermittent at 30ft. 30ft line of sight seems to work OK but there are a few walls between my chair and the radio.

After a few experiments such as moving the transmitter away from the radio horizontally or vertically, there was no improvement.

I must need a better antenna somewhere in the system. What is inside the little white box?

This is a picture after modification. You can see there is not much inside: a battery, a little electronics and an antenna on the pcb along the upper edge.



In this picture you can see the trace going to the antenna was cut and a small wire about 1 inch long was soldered to the trace that comes from the transmitter module.

Here is the modified module.

Now I can sit in my chair in the living room and listen to 6M for activity. Well, almost. The reception is better but any thing or person moving into the path disturbs the signal.

Anybody have a Bluetooth repeater?



## FROM VHF GREENHORN TO JOURNEY-MAN: INCREASING YOUR RANGE

Ev Tupis, W2EV

You got licensed and listened to the standard mantra, "Get a cheap Handi-Talkie (HT) and program in the local repeaters". That is fine advice for a Greenhorn, but what is the "next step"? Improve on what you have.

In previous installments, I've introduced FMers to simplex operation (direct communication, without the help of a repeater) during occasional VHF contests. Based on the increased local activity during contests, many readers have tried it to find that they are both amazed how far they can communicate and disappointed with how far they can communicate. What?!

Those that are disappointed are typically operators with HT's trying to get someone's attention from home. Basically operating at "ground level". With very few exceptions, "ground level" operations on \*any\* frequency results in poor performance. Think about it: even General and Extra class licensees rarely brag about how well a "dipole at ground level" performs.

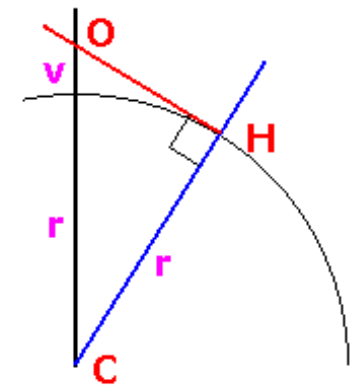
Here's where the "Increase your range" part kicks in.

Those that find excitement on FM simplex are those whose antennas are "in the air", either because they have driven to a hilltop or because they have mounted an antenna on an outside pole, chimney or roof.

Pole, chimney or roof mounting replaces the HT antenna with a full-size vertical, which can offer additional advantage over a stock "rubber duck" antenna.

When communicating on VHF+ frequencies, "height is king". A 6 foot tall person holding a handie-talkie has a "line-of-sight" horizon of 3 miles. When communicating with another 6 foot HT operator, the range can be as far as 6 miles. The midpoint is skimming the earth. Of course, obstructions can complicate things significantly.

Installing a simple antenna at even 20 feet (easy to attain with a 1-story home) extends your radio horizon to 5.5 miles - yes, even if you connect it to your HT! A lot of other people have VHF antennas that are at least 20 feet in the air. That means that your effective simplex communication range is now 11 miles. It's even more if you find someone with antennas mounted higher or those that live (or operate from) hills (even small



The geometry behind the calculation

ones). This is the reason that most repeaters have both tall locations and good antennas that are mounted as high as possible.

Try an experiment: travel to a local high spot (even a tall building) with an HT and scan for an active repeater. Doing so after a well-attended net is a good approach. Then program the repeaters' OUTPUT frequency into your radio for both transmit and receive and make a call, "This is KD2IRK transmitting on the repeater output, can anyone hear me?" You may be surprised to have several people return your call!

So my advice is to do your best to get an antenna mounted outside and as high as you can. Summer is just around the corner and you'll want to have even more fun on SIMPLEX, when the June VHF Contest arrives.

## 2020 Antique Wireless Association Conference

Tuesday August 11th through Saturday August 15th  
The event will again be held at the RIT Inn and Conference Center  
5257 W. Henrietta Rd.  
Henrietta, NY 14467

This year's theme will be  
The Evolution of Amateur Radio

Scheduled sessions include:

- 124 Years of Amateur Radio Innovation
- The History of the Amateur Radio Novice Class
- Hiram Percy Maxim
- Amplitude Modulation at the ARRL Headquarters
- And More

## Help Wanted

Apartment-bound ham seeks location in the suburbs for HF radio and antenna.  
Need:

- Trees
  - Internet capability
- Will pay rent for space.

Jay Golden, K2JSG  
[jgolden577@rochester.rr.com](mailto:jgolden577@rochester.rr.com)

# FREE FREE FREE FREE

TIM BROWN, WB2PAY, EDUCATION COORDINATOR

## PRE-MEETING FREE FEST

Part of being a Ham is sharing our "Goodies" with other Hams. Over the years we have all collected items we think we "need" to make our Ham Shack complete.

At the January RARA meeting, Tim Guyot, KB1POP, brought a tray of extra items from his radio room. The "Goodies" disappeared quickly.

In going through my storage totes (I do not like the term Junk Boxes), I found items that I had planned to use and never got around to doing the project. I found multiples of items that I had forgotten I had.

At the February meeting, I brought a tray of items and most of it found new homes.

I proposed to the board that this become part of our pre-meeting activities. Tim Barrett, K9VB, noted that the goodies generated a lot of interest and also got people chatting to each other.

## GUIDELINES FOR FREE FEST

George Lamas, KC2OXJ, drafted a set of guidelines so members know what the expectations are for bringing in items.

- All items are free. No conditions.
- No guarantees, as is, you get what you get.
- All items must fit in a tote.
- Limit one tote per member.
- All totes must have the owner's name/call sign on it.
- Larger items, can just have a flyer on the table with contact info to arrange for pickup?

**Any leftover items must be taken by the original owners.**

I look forward to what might be FREE at the March 4th meeting.



# 2020 ORLANDO HAMCATION REPORT

MIKE MOORE KC2NM

The Orlando Hamcation is reported to be the second largest hamfest, behind Dayton, in the US. I have received good reports of it from various RARA members past trips. This year, I decided to give it a try instead of Dayton. [Orlando Hamcation](#) is held in early February at a fairgrounds located on the northwest side of Orlando, FL. The facility is a state fair kind of place with a number of buildings and a large grounds area that was open for RV style camping and an outdoor flea market. The vendor display buildings were nice but smaller and fewer in number as those found at Dayton and, there is a large, indoor flea market. Most of the expected new equipment vendors and distributors were there albeit with a smaller presence than at Dayton. I attended many of the [forum sessions](#) and these were held in tents that were set up under a large roof. The tents were large, air conditioned, and had the expected presentation and sound equipment. There were some occasions when the next door presentation could be heard over the one that I was attending. There was a variety of food available for sale at the hamfest but both days, for lunch, I ate the smoked pork sandwich from Wild Hogs BBQ. It was really good!



For me, the highlights of the Hamcation were the forums and getting to see the new Icom IC-705 QRP SDR Transceiver. Icom had a single unit there and while it was powered up, it was not operated and they had not announced the price. Ray Novak was there and said that they want to have it on dealer shelves, for sale, at Dayton.

The Hamcation bills itself as a possible family vacation. There are certainly many attractions in the Orlando area. I traveled alone and flew down Thursday afternoon, stayed close to the Hamcation site (not close to the attractions), and returned home on Sunday. The flights were non-stop on Southwest Airlines and



that was convenient. I was able to get around town and to and from the airport using the city bus system. On Saturday night, Don, K2DV arranged for a group dinner at a nice local restaurant. Many of those attending either live part or full time in Florida from the Rochester Area. It was nice to swap some Rochester stories.



Left to Right around the table W2TR, K2DH, K2OS, N2VSN, K2DV, WB2DCL, KC2NM, W2JTR, KD2REU.

In Summary, I thought Hamcation was fun! I probably will not make the trip every year, but every few years it would be nice to escape the snow for a weekend. [More pictures here.](#)



# POTA STATS

KARL HEINZ KREMER, K5KHK

I hope you made it to my POTA presentation at the January RARA meeting. I was asked about the breakdown of bands and modes, so here is some more information about my operating, both as an activator and a chaser.

I recently reached a milestone: 1000 hunter QSOs (that is QSOs I had with activators in a park) - at least based on what was reported to the POTA database. With that many QSOs, I have a nice sample to do some analysis. I downloaded my hunted QSOs (meaning, I copied and pasted from the web site into Excel), and after a little bit of scripting I can report the following: As of that milestone, I had 1000 hunter QSOs with 234 different activators. More than 50% of these QSOs were with just 20 different activators. Here are the top ten activators I've worked, who account for almost 40% of all QSOs:

Call Sign	#
KU8T	120
KB3WAV	64
N4CD	43
N4EX/P	34
K4CAE	30
N3VOP	27
KK1TLS	20
AA9OM	18
W3SPC	18
KC3RW	17

Thanks to Tom KU8T and Kerri WB3WAV, I have a few Operator to Operator awards (I did go over the different award types during my presentation), there are a few more contacts I need with Bob N4CD for the next award.

Another interesting tidbit is that there are 102 contacts with one-time activators, or more accurately, activators I only worked once. That does not necessarily mean that they only activated once. Fifteen of those were within the last few weeks of the data I analyzed, so chances are they are new to POTA and there will be many more contacts with them in the future. I could probably cross reference that with the Activator leader board to find out how often they actually activated a park. I'll wait with that for when I get close to the 2000 QSO mark :)

Here is a breakdown of modes and bands used while chasing:

Mode/ Band	PHONE	CW	DATA (FT8)	DATA (PSK31)	Total
17m	1				1
20m	119	26	2	3	150
30m		26	1		27
40m	629	139	9	2	779
60m		3			3
80m	34	6			40
<b>Total</b>	<b>783</b>	<b>200</b>	<b>12</b>	<b>5</b>	<b>1000</b>

When I look at the QSOs I've had while activating parks, I count 1013 at this time. That means that for about every hunter QSO I've had, I also had one activator QSO.

Call	QSOs
W8ZST	34
KD8EDN	26
KO4SB	25
K8RAT	19
K8HQ	19
N4EX	17
NE1D	14
VE3ZN	13
NE4TN	12
VE3LDT	12
KE8DGF	12

I worked 460 different call signs while activating, and here are the top 11:

And again, broken down by band and mode we get this:

Mode/ Band	SSB	CW	DATA (FT8)	DATA (PSK31)	FM	Total
2m					1	1
20m	200			3		203
40m	790	2	17			809
<b>Total</b>	<b>990</b>	<b>2</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>1013</b>

So, if you want to go out and activate – or chase, chances are that 40m SSB will be your best bet. I hope you will join us for the operating event on May 9<sup>th</sup> to see if this holds up for a group event as well, when we try to operate on multiple bands at the same time.

# RARA WINTERFEST 2020

Our annual Winterfest took place at Stewart Lodge in Mendon Ponds Park on Saturday Feb 15th. Of course, it was cold and snowy but it was fortunately also a beautiful sunny, blue sky day. The park was busy with skiers, sledders and people ice fishing but we were all in the warm with a good wood fire burning in the lodge.

Do people come for the food, the camaraderie or the radios? Hard to tell because all three were there in abundance! This year we had a record 11 crock-pots with chili, meatballs, stews, something and more for everybody. And, of course that was followed up with delicious home cooked brownies and cookies. It was hard to choose the best dish but by popular choice first prize went to Tim, WB2PAY for his excellent Meatballs in a Sweet Sauce and second prize went to Todd Spath, N2TMS and his wife for their very tasty Chicken and Biscuits.

The deck of Stewart lodge makes for a great antenna location and we had at least five set up and serving different operating stations inside. No great DX was heard although Jeff, KD2RRB was very pleased to work the Dominican Republic on PSK.

The Winterfest takes up quite a bit of time preparing, setting up and clearing up so a big thank you to all those who helped. I'd like to make a special shout-out to Cathy Brown, KC2UAD for her valuable help in the background making sure we have all the utensils, setting up the food areas and basically taking care of a lot of the work.

Thanks to all those that came - attendance was one of the best in recent years; for those that didn't come, you missed out and we hope to see you at the June picnic!









# MERIT BADGE UNIVERSITY

## FEB. 15, 2020 - RADIO MERIT BADGE

On February 15, the Towpath District of Seneca Waterways Council of the BSA held its 16th Annual Merit Badge University. Mark Pedersen KC2UES served as instructor assisted by Mike Moore KC2NM offering a class for The Radio Merit Badge. The Merit Badge University was held at the Rochester Institute of Technology and there were 450 scouts participating with the support of 200 adult leaders.



Seven scouts earned their Radio Merit Badge and the class included classroom presentations and a tour of WITR 89.7, the RIT campus broadcast radio station studios.

The scouts were given a tour of K2GTX, the RIT Amateur Radio Club Station and each of them operated in QSO with Jim, W2COP and Steve, K2SET.

This class was one of the annual RARA member efforts to foster youth interest in Amateur Radio. Other programs include Amateur Radio demonstrations at scouting district events and at BSA Camp Babcock-Hovey for JOTA.





# RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN

20 Years Ago, March 2000

There was just a tiny one sentence meeting announcement in this issue for what should have been an important and interesting topic for "Kodak-city" residents. We learned that Kodak employees Keith Freeberg N2BEL (sk) and Dick Witkowski WB2TEQ, would be speaking on new digital photography. Covering the entire front page, column one location normally devoted to programming, was an article by Kevin Kinnally KD2TJ, with the subject matter being Jamboree on the Air (JOTA). Therein Kevin described the successful world-wide JOTA program where Boy Scouts get introduced to radio technology and Amateur Radio. More specifically, Kevin, Scoutmaster for local Troop 332, and the Otetiana BSA Council are planning a combined JOTA and JOTAre activity. The local JOTAre combined the features of JOTA along with ham radio Field Day like activities. Lloyd Caves WB2EFU (N2PU) continued his four part article on the 2000 RARA Hamfest. This issue told of ARRL programs within the hamfest and announced attendees so far to be ARRL President Jim Haynie W5JBP, Vice President Kay Craigie WT3P, Bernie Fuller N3EFN, Atlantic Division Director and his Assistant Director Bill Edgar N3LLR. Also confirmed were Bob Heil K9EID with a program on the science of audio. A program on RFI and EMI was presented by Ed Hare W1RFI from the League staff and Wayne Lightsey AAR2NY who presented a program on MARS. RARA readers have been privileged to read Bill McDonnell's (KG2F (sk)) superbly written articles on Amateur Television with this month focusing on signal to noise issues at UHF and beyond. Reporting on the then just completed Spring License Class registration was Rick Wells W2RW (sk). Rick and his team had extra work to get ready for this session as the restructuring of Amateur Radio Licensing made all of the License Manuals out of date. Ed Gable, K2MP, writing his DX Happenings column was pleased to announce the Rochester DX Association, for the 3<sup>rd</sup> time, took first place in the hotly contested ARRL Field Day class 3A competition. Today, that report would say the RDXA has more than doubled that winning position. Writing for the Rochester Radio Repeater Association, RRRA, was Tom English, N2YJY, who announced the RRRA Auction would be at the Police/Fire Training building on Scottsville Road. Readers having access to back issues of the Rag would do well to find this issue and read the thoroughly delightful tale written by Bill Hopkins AA2YV. Bill told the story of his travels through Europe, before this became common place, while carrying a complete ham radio station in his back pack! Just hearing of the airport security responses is worth the read. Tim Stoffel, NS9E, told us of the next Rochester VHF Group meeting where the invited guest was well known VHF contest operator Tom Whitted WA8WZG. With regret it was announced that Walter Adams, Jr. N2NE and Fred Becker W2GV were reported as Silent Keys. From the Want Ads you could buy a fully loaded Yaesu FT-980 for \$550.00 from Ed K2MP.



## the RARA RAG

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### J.O.T.A. ree 2000

Kevin Kinnally, KD2TJ

Jamboree On The Air (JOTA) is an annual collaboration of the worldwide scouting community and Amateur radio. Big deal?! You bet it is!! Each October about 400,000 Boy and Girl Scouts and Guides "get together" on the air with the help of HAM radio stations and operators. For many Scouts, this is their introduction to the world of hands-on radio technology.

This year, the Eagle District of the Otetiana Council, BSA is planning on combining its annual fall camporee with the international JOTA program. That would be "JOTAre" in the scouting short form. The idea is to set up a variety of HAM stations (field day style) around a large camping area and offer a taste of as many operating modes as possible (i.e. HF, packet, Oscar, FSTV, etc.). We will also be coordinating a VE testing tent, a simple construction project, SWL stations, Radio merit badge counselors, and this early in the plan, who knows what else?

And?—Oh, yes. We need you!!

I am looking for volunteers to offer the use of their stations and time for this effort. I am also looking for volunteers to act as technical advisors, coordinators and extra operators. My best guess from talking to other troops is that the JOTAre will attract about 600 Scouts and adults. The program is not fully developed yet but I am looking towards a starting point of 15 assorted stations. Field Day with an attitude.

The Eagle District 2000 JOTAre is going to be something special but the Scouts are going to need your help. Get involved and show scouting what Amateur Radio is about and see for yourself what Scouting is about. Please contact Kevin Kinnally, Scoutmaster Troop 332, JOTAre 2000 Chairman, (716) 533-1981, or at Navet608@frontiernet.net

### RaRa Meeting March 3, 2000

Henrietta Fire Hall, 3129 E. Henrietta Rd.  
Digital Photography –II  
By Keith Freeberg and Dick Witkowski

### Rochester Hamfest-Part III

Lloyd R. Caves, WB2EFU

It is getting closer to June 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> each day, the dates of the Rochester Hamfest. Are you ready to attend and join in on all the excitement? If not this would be a good time to order your advanced tickets for the Hamfest and the Awards Banquet. You can do this by visiting the Hamfest website at [www.rochesterhamfest.org/](http://www.rochesterhamfest.org/) to get ordering information or by contacting Jack Tripp, N2SNL at one of the RaRa meetings. Jack is the advanced ticket sale chairman.

While you are visiting the Hamfest website check out all the things that will be taking place at the Hamfest. All the information is there including a list of the exhibitors that will be attending. Of course you will have to keep going back and checking this website as the list changes daily as more companies sign up to attend. In fact all sections of this website are updated daily as things change. That makes it a great place to visit every day or so to know what is taking place. That is if you are on the Internet.

The Rochester Hamfest is also known as the ARRL Atlantic Division Conference. For that reason there will be an **ARRL League Forum**. Bernie Fuller, N3EFN and Bill Edgar, N3LLR the Atlantic Divisions new Director and Vice Director respectfully will host this year's forum. A lot of changes have taken place at the ARRL recently and this is a good place to find out just what is happening and to meet some of the newly elected officers. Jim Haynie, W5JBP the new League President and Kay Craigie, WT3P recently elected Vice President will both be in attendance along with a lot of other ARRL officials. Stay informed of both League and FCC happenings. Bring your questions and stay up to date.

Bob Heil, K9EID will present a program called **Audio Science**. He will demonstrate how to achieve professional audio quality on the air. Using current production amateur radios, he will show how you can sound like a radio announcer, and what equipment is required to achieve this excellent voice quality. Bob will also be entertaining you at the awards banquet with organ music at its best.

*continued on page 9*



Otto Bluntzer, WB2RJB, VP and Program Chairman, announced that this month's program would be the use of toroids, ferrite beads and other ferromagnetic devices. Presenting was Mr. Lee Vroom, VP of Engineering for Ferronics, Inc. of East Rochester. Meetings at this time were held in the Monroe County Farm and Home Center on Highland Avenue. Club Historian Bruce Kelley, W2ICE, sadly reported on the death of a very popular WNY area YL ham, Clara Reager, W2RUF. Clara was a well-known CW traffic handler and was recognized as a high speed CW operator and for years ran the Western New York Code Championship contests. Alan Komenski AC2K, in his President's column, reported on the hot topic of the day, the establishment of the new Amateur Radio Volunteer Examiner program. Recently there was a very successful open house at the new K2JD RARA Club station. Visitors saw and used the three new consoles holding HF, VHF and Novice stations, located in the Lola Complex on Westfall Road. On the roof was the antenna system consisting of a High Gain TH6DXX triband yagi on a 55 foot tower, VHF/UHF FM antennas and dipoles for 80 and 40 meters. The host for the evening was Ed Holdsworth, N2EH, trustee for K2JD. The new Fuzz Buzz system was installed and made operational by Joe Hood K2YA and Len Gessin WA2ZNC. The system connected the 28/88 repeater directly to the Police Dispatcher on Cobbs Hill when commanded so by hams using a special DTMF code, and formed an early 911 system exclusive to ham operators. It was announced by RARA planners that the club would again participate in the ARRL Field Day event so popular with hams countrywide. From the Want Ads you could buy a Heath HW-16 from Ray Roberts WA2SSU (sk). Harvey's Ham (KB2LB) of Caldonia, NY, selling Ten-Tec, Dentron and other fine ham gear, remained a long term advertiser.

# The RARA RAG

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## Manufacture and Application of Ferromagnetic Materials at RaRa March 7th Meeting

by Otto Bluntzer, WB2RJB  
RaRa Vice-President

Ferrite beads, toroids, recording heads for disc memories and other ferromagnetic devices used in the electronics industry and by Hams will be the program topic for the March RaRa meeting.

Mr. Lee Vroom, Vice-President of Engineering from Ferronics Inc. an East Rochester based company, will show us how metal oxides and carbonates are made into a compressible powder from which these devices are made. This powder is compacted into dies where it is formed to the required shape and subsequently fired at a relatively high temperature resulting in a material which has both ceramic and magnetic properties.

Mr. Vroom will take us on a "Slide Tour" of the plant explaining the process and then will show us how to use some of these devices as in the application of ferrite beads for R.B.I. suppression. This is an excellent opportunity to fill in your knowledge of this commonly used material, without pouring through pounds of text books.

The March 7th meeting place is the Monroe County Farm and Home Center located at 249 Highland Avenue. Meeting time as usual is at 8:00 p.m.

## APPLE COUNTRY AWARD CERTIFICATE

The Drumlins Amateur Radio Club, of Wayne County, is offering their Apple Country Award to all who work any four club members. To apply you should send your log information, plus \$1.00 and two \$.15 stamps to Mr. Fred Silfer, WA2REC, P.O. Box 22, Sodus, New York 14551. Fred was Chairman of the awards committee, and helped by Ron Faro, WA2MCB; and John Lincourt, WB2TRI.

## Clara Reager, W2RUF, Is Killed

by Bruce Kelley, W2ICE, Club Historian

It is with great sadness we report the sudden death of Clara Reager, W2RUF, of Buffalo. She was struck in the Cheektowaga Thruway Mall by a car whose driver apparently was blinded by the sun. Clara was 82 years old.



Clara Reager accepting Amateur of Year Award at a recent Hamfest.

W2RUF was originally licensed in 1933 as W8KYR. A regular attendee at Rochester Ham-fests, she volunteered in 1955 to handle the Western New York Code Championship Contest -- a job she had filled continuously for a total of 24 years!

Clara's contribution to amateur radio was recently recognized when RaRa honored her with the Amateur Of The Year Award. An ardent CW operator, she helped form several CW traffic nets plus a slow speed net. She was instrumental in setting up Novice Classes in the Buffalo area in turn produced hundreds of new amateurs. Her death is a great loss to amateur radio.



## VE TEAM

The next **ALWAYS FREE** testing session:  
 Saturday March 21st (Third Saturday)  
 Rochester Institute of Technology  
 Kate Gleason College of Engineering  
 Gleason School of Engineering  
 Room 3139, Bldg. 9  
 Use "J" parking lot

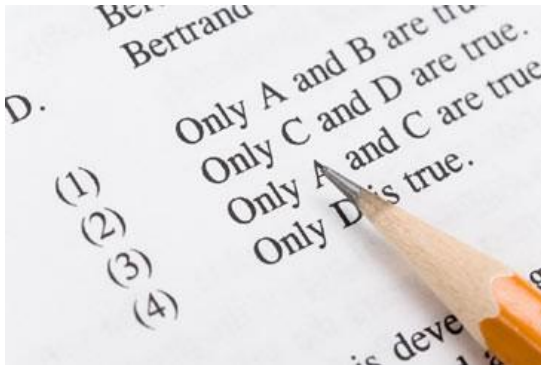
Registration at 9:45AM  
 Testing at 10:00AM

You do not have to preregister.

To avoid giving your SSN go to:  
<http://wireless.fcc.gov/uls/index.htm?job=home>  
 Register and bring the resultant FRN to the exam.

For more info and a map:  
[https://rochesterham.org/license\\_testing.htm](https://rochesterham.org/license_testing.htm)

Don Kiser - AC2EV  
 RARA Board member  
 VE Team Leader  
 585-613-1035



## CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	<a href="mailto:w2ned@frontiernet.net">w2ned@frontiernet.net</a>
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Pete Fournia	W2SKY	Penfield	<a href="mailto:pfournia@gmail.com">pfournia@gmail.com</a>
Bill Hopkins	AA2YV	Brighton	<a href="mailto:whopkin4@naz.edu">whopkin4@naz.edu</a>
Bob Karz	K2OID	Webster	<a href="mailto:rkarz@rochester.rr.com">rkarz@rochester.rr.com</a>
Joe Rowe	AG2Y	Webster	<a href="mailto:ag2y@rochester.rr.com">ag2y@rochester.rr.com</a>

<b>Kevin Besig</b>	KD2TMT	T	<b>Brenda Reeb</b>	KD2TMS	T
<b>Charles Belfield</b>	KD2TMR	T	<b>Preston Skillman</b>	KD2TMQ	G
<b>Marc Feldman</b>	KD2TMP	T	<b>Andrew Bradford</b>	KD2TMO	T
<b>John Anderson</b>	KD2TMN	T	<b>George Adams IV</b>	KD2TMM	T
<b>Allen John</b>	KD2TML	G	Scott Baranello	KD2TFM	G
Jonathan Marmor	AD2AE	E			

New licensees names are in BOLD

## RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Dave Carlson	N2OA	Batavia	<a href="mailto:kdcarlso@gmail.com">kdcarlso@gmail.com</a>
Lawrence Hill	N2AJX	Henrietta	<a href="mailto:lawrence.hill@rit.edu">lawrence.hill@rit.edu</a>
Bill Kasperkoski	WB2SXY	Pittsford	<a href="mailto:wb2sxy@arrl.net">wb2sxy@arrl.net</a>
Don Kiser	AC2EV	N Greece	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>
Karl Heinz Kremer	K5KHK	Chili	<a href="mailto:k5khk@khk.net">k5khk@khk.net</a>
Tim Magee	WB2KAO	Greece	585-704-5747
Peter Schuch	WB2UAQ	Perinton	<a href="mailto:pschuch@rochester.rr.com">pschuch@rochester.rr.com</a>
Forest Shick	WA2MZG	Webster	<a href="mailto:fshick3@gmail.com">fshick3@gmail.com</a>
Dave Timmons	W2DST	N Greece	<a href="mailto:dstimmons@gmail.com">dstimmons@gmail.com</a>
Dan Waterstraat	W2DEW	Henrietta	<a href="mailto:higreen@rochester.rr.com">higreen@rochester.rr.com</a>

# RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

March 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1</b> UBA DX Contest, CW SC, NC QSO Parties NA Collegiate Champ, RTTY NA QSO Party, RTTY Feld Hell Sprint	<b>2</b> AWA Net 145.110 MHz, 7pm RSGB 80M Club Contest (Data) ARS Spartan Sprint	<b>3</b> AWA Museum Open 10am-3pm RXCWG CW Practice Net 9pm QRP Fox Hunt Phone Fray CWops Mini-CWT Test AGCW YL-CW Party	<b>4</b> RaRa Monthly Mtg 7:00pm, BSA HQ, Brighton Henrietta TLR ROC City Net 8:00pm 1.924 MHz UKEICC 80M Contest	<b>5</b> RaRa BoD Meeting 5:45pm Nova- works 333 Metro Park Rochester 14623 ARES Net 146.61 MHz 7pm NCCC Sprint QRP Fox Hunt SKCC Sprint Europe	<b>6</b> RDXA Happy Hour, Macgregor's Bar, 1129 Empire Novice Rig Roundup	<b>7</b> AWA Museum Open 1pm - 5pm Novice Rig Roundup Wakeup QRP Sprint Ukraine RTTY Contest SKCC Sprintathon
<b>8</b> Wakeup QRP Sprint Novice Rig Roundup Ukraine RTTY Contest WAB 3.5MHz SKCC Sprintathon 4 States 2nd Sunday QRP Sprint	<b>9</b> AWA Net 145.110 MHz, 7pm Novice Rig Roundup	<b>10</b> AWA Museum Open 10am-3pm RXCWG CW Practice Net 9pm QRP Fox Hunt Phone Fray CWops Mini-CWT Test Novice Rig Roundup	<b>11</b> SIARC Monthly Mtg, 7.30pm ROC City Net 8:00pm 1.924 MHz Novice Rig Roundup AWA Rollins Memorial Contest	<b>12</b> NCCC Sprint QRP Fox Hunt Novice Rig Roundup AWA Rollins Memorial Contest ARES Net 146.61 MHz 7pm	<b>13</b> RDXA Happy Hour, Macgregor's Bar, 1129 Empire Novice Rig Roundup	<b>14</b> AWA Museum Open 1pm - 5pm Novice Rig Roundup AWA Rollins Memorial Contest RSGB Commonwealth Contest OK, ID, WI, QCWA QSO Parties Stew Perry Top Band Challenge EA PSK63 Contest South America 10M Contest Stew Perry Topband Challenge
<b>15</b> Novice Rig Roundup RSGB Commonwealth Contest OK, ID, WI, QCWA QSO Parties Stew Perry Top Band Challenge EA PSK63 Contest South America 10M Contest Stew Perry Topband Challenge	<b>16</b> AWA Net 145.110 MHz, 7pm Run for the Bacon QRP Contest Bucharest Digital Contest	<b>17</b> AWA Museum Open 10am-3pm RXCWG CW Practice Net 9pm QRP Fox Hunt Phone Fray CWops Mini-CWT Test CLARA Chatter Party	<b>18</b> ROC City Net 8:00pm 1.924 MHz CLARA Chatter Party	<b>19</b> NCCC Sprint QRP Fox Hunt ARES Net 146.61 MHz 7pm	<b>20</b> RDXA Happy Hour, Macgregor's Bar, 1129 Empire	<b>21</b> AWA Museum Open 1pm - 5pm BARTG HF RTTY Contest Russian DX Contest VA, LA QSO Parties Feld Hell Sprint
<b>22</b> BARTG HF RTTY Contest Russian DX Contest VA, LA QSO Parties Feld Hell Sprint UBA Spring Contest, SSB	<b>23</b> AWA Net 145.110 MHz, 7pm	<b>24</b> AWA Museum Open 10am-3pm RXCWG CW Practice Net 9pm QRP Fox Hunt Phone Fray CWops Mini-CWT Test	<b>25</b> ROC City Net 8:00pm 1.924 MHz UKEICC 80M Contest	<b>26</b> NCCC Sprint QRP Fox Hunt RSGB 80M Club Contest, SSB ARES Net 146.61 MHz 7pm	<b>27</b> RDXA Happy Hour, Macgregor's Bar, 1129 Empire	<b>28</b> AWA Museum Open 1pm - 5pm CQ WW WPX Contest, SSB FOC QSO Party
<b>29</b> CQ WW WPX Contest, SSB FOC QSO Party	<b>30</b> AWA Net 145.110 MHz, 7pm QCX Challenge	<b>31</b> AWA Museum Open 10am-3pm RXCWG CW Practice Net 9pm QRP Fox Hunt Phone Fray CWops Mini-CWT Test				



# NEWS FROM AREA CLUBS

## MONROE COUNTY ARES / RACES NEWS

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend.

On even numbered months the meetings are held at the Monroe County EOC, 1190 Scottsville Rd. (Media Room, 2nd floor, north end). On odd numbered months we meet at the Red Cross, 825 John St.. W Henrietta. at 6:00 PM. Please check our website for any schedule changes.

If the doors are locked, call WB2EOC on the 146.61 MHz (-) 110.9 Hz PL repeater.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the N2MPE 146.61 MHz (-) 110.9 Hz PL and 444.45 (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC.

There is no net on nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: [www.monroecountymcomm.org](http://www.monroecountymcomm.org)

Facebook : Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

**Severe Weather Alerts:** Winter may bring severe weather in the form of heavy snow storms, strong winds, and flooding. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/

Downloads). We encourage all amateur radio operators to take a free Skywarn TM class offered by the National Weather Service. The schedule of classes can be found at <https://www.weather.gov/buf/skywarn>

Monroe County ARES  
Ralph Dutcher, Net Control - [KD2BDZ@arri.net](mailto:KD2BDZ@arri.net)

## ROCHESTER DX ASSOCIATION, RDXA

RDXA meets the 3rd Tuesday of every month (September through June) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend.



Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.

## ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRA invites you to attend its March 20, 2020 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

March is a special month because it's RRRA's Annual Auction. Set up and socialization will start at 7:00 pm. As usual, 10% of the sold value is paid to the Club by the seller. You do not need to be a member to attend but we could use your support by becoming a member. Ed and Dick will again be our auctioneers. Watching them work the auction is always entertaining. Hope to see you at our auction.

The RRRA officers for 2019 - 2020 are Bob Shewell, N2HJD President, Bob Odell, N2BZX Vice President, Ed Wilkonski KC2WM Secretary and Bob Smith, NS2B Treasurer / Membership Chairman.

RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site [www.k2rra.org](http://www.k2rra.org)

## ROCHESTER VHF GROUP

### Spring Auction & Seminars

Morning of Saturday, May 2  
Webster Fireman's Fieldhouse

**\* Plan Now\***

All are welcome! Admission \$5<sub>pp</sub>  
Online ticket sales starting soon.

Silent Auction: write your bid and keep an eye on it. Someone may write a higher amount later. Your 10% seller gratuity is sincerely appreciated.

Seminars & demos, just like "the old days". **More info soon!**



## XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club meets the 2nd Thursday of each month. The meetings are 6PM at the Webster Recreation Center. Look for details on our website <http://xarc.us>

## DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads New York. Chemung County ARES (CCARES) meets the first Tuesday of the month except February at Harris Hill. See [www.ccares.info](http://www.ccares.info) for details. CCARES covers the entire area in Chemung, Schuyler and Steuben counties and all are welcome.

Communicators are needed to help out with the 2019 Wineglass Marathon October 6, 2019 (one week following the Hamfest). If you would like to help out, contact the emergency coordinator: [emergencycoordinator@stny.rr.com](mailto:emergencycoordinator@stny.rr.com)

Our website is still under construction. It is anticipated that construction will continue well into the year. Until that is finished check us out at [www.arast.info](http://www.arast.info).

Don't forget to check out our repeaters when you visit the area. The N3AQ 147.36(+) and the 146.70(-) are the principal 2 meter repeaters. Also Echolink is available using the call sign KA2BED-R. Check it out. A full list of available repeaters that can be heard in the twin tiers area surrounding Chemung County can be found at [www.arast.info/arast\\_website/public/repeaters.php](http://www.arast.info/arast_website/public/repeaters.php).

## COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

## DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.



## KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The purpose of our association is to:

- promote interest in Amateur Radio communication and advancement of the radio art.
- conduct programs, training, and exercises that enhance the skills of the members, and educate the community.
- develop ties with other services and establish relationships with community organizations.
- provide emergency communication services.
- promote enjoyable Amateur Radio related events.

The association was incorporated in 1991 and has been a vibrant part of the community ever since. We have a very active VE testing program. We also participate in numerous public events (the Wineglass Marathon and the Wine Country Classic Boat Regatta are two of the largest).

We operate a system of three repeaters (which are linked), providing a large area footprint for two meter FM amateur use. Please see our website for details. ( [klara.us](http://klara.us) )

Our meetings are held on the second Wednesday of each month at the Civil Defense and Fire Training Center on Route 54 in Bath, NY.

## SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell.

We have License Exam Testing every other month which begins at 6:30PM.

The next meeting will be Wednesday, March 11th. The program will be on estate planning for your amateur radio equipment.

There will be license testing starting at 6:30 PM. 73's Steve Benton VP SIARC WB2VMR

## INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Visit our website at <http://www.interlockroc.org/>,  
contact us at [info@interlockroc.org](mailto:info@interlockroc.org),  
or find us in #interlock on Freenode IRC.

## ROCHESTER MAKERSPACE

For more information visit <https://www.makerspacerochester.org/hamradio>

## GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email [n3dsp@lafireline.net](mailto:n3dsp@lafireline.net) for details.

## ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

## THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

### THE RADIO AMATEUR IS:

<b>CONSIDERATE</b>	Never knowingly operating in such a way as to lessen the pleasure of others.
<b>LOYAL</b>	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
<b>PROGRESSIVE</b>	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
<b>FRIENDLY</b>	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
<b>BALANCED</b>	Radio is an avocation, never interfering with duties owed to family, job, school or community.
<b>PATRIOTIC</b>	With station and skill always ready for service to country and community.

## RArA MARKETPLACE

Michele A. Jamison, MD  
Office Hours  
by Appointment

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